

Title (en)

Optical wireless link

Title (de)

Optische drahtlose Verbindung

Title (fr)

Liaison optique sans fil

Publication

**EP 1175026 A2 20020123 (EN)**

Application

**EP 01000315 A 20010723**

Priority

US 62094300 A 20000721

Abstract (en)

An optical, line-of-sight modem. The modem includes a micro-mirror assembly 504 including a micro-mirror and including an actuator for providing rotational movement to the micro-mirror, the micro-mirror being controllable by predetermined control signals. The modem includes a source of electronic data signals 234, and a source of light 501 having a narrow beam of light 503 directed at the micro-mirror. Means are provided for converting the electronic data signals to optical signals modulating the beam of light. Means are also provided for controlling the micro-mirror so as to maintain the micro-mirror in a predetermined position for data communication. <IMAGE>

IPC 1-7

**H04B 10/10**

IPC 8 full level

**G02B 26/08** (2006.01); **H04B 10/10** (2006.01); **H04B 10/118** (2013.01); **H04B 10/22** (2006.01)

CPC (source: EP US)

**H04B 10/1143** (2013.01 - EP US); **H04B 10/40** (2013.01 - EP US)

Cited by

EP3503432A1; US7529227B2; EP3047678B1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 1175026 A2 20020123**; **EP 1175026 A3 20031119**; **EP 1175026 B1 20080326**; DE 60133345 D1 20080508; DE 60133345 T2 20090423; JP 2002124922 A 20020426; US 7203425 B1 20070410

DOCDB simple family (application)

**EP 01000315 A 20010723**; DE 60133345 T 20010723; JP 2001255316 A 20010723; US 62094300 A 20000721